HES 2000-IP-001143U1

B. Raghava Reddy

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First Named Inv ntor

**DECLARATION FOR UTILITY OR** 

**DESIGN** PATENT APPLICATION **Attorney Docket Number** 

**COMPLETE IF KNOWN** 

(37 CFR 1.63)		Application Number				
[ ] Bardametica	Declaration	Filing Date				
Declaration Declaration Submitted OR Submitted after Initial	Art Unit					
with Initial Filing	Filing (surcharge (37 CFR 1.16 (e)) required)	Examiner Name				
As the below named inventor, I here	eby declare that:					
My residence, mailing address, and citizenship are as stated below next to my name.						
I believe I am the original and first inve			h a patent is soug	ht on the invention entitled:		
Methods of Consolidating	g Formations or Fo	rming Chemical C	asing Or Bot	th While Drilling		
				·		
	(Title of the Inv	vention)				
the specification of which	·	·	•			
is attached hereto						
OR						
was filed on (MM/DD/YYYY) as United States Application Number or PCT International						
Application Number	and was amended	d on (MM/DD/YYYY)		(if applicable).		
		<b>L</b>	······································			
I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by						
any amendment specifically referred to		natantahility as dafinad in '	7.CED 1.56 inclu	ding for continuation in part		
I acknowledge the duty to disclose info applications, material information which international filing date of the continuat	n became available between	the filing date of the prior	application and the	e national or PCT		
I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United						
States of America, listed below and ha	ave also identified below, by	, checking the box, any to	reign application to	or patent, inventors or plant 1		
breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.						
Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached? YES NO		
Number(3)		(man Diriti)				
			H			
			H			
			70/00/00			
Additional foreign application nur		nental priority data sheet P	TO/SB/02B attach	ned hereto:		

### **DECLARATION** — Utility or Design Patent Application

Direct all correspondence to:  Customer Number or Bar Code Label  OR  Correspondence address below					
Name	288 PATENT TRADEN	5 / MARK OFFIC	CE		
Address					
City		State		ZIP	
Country	ephone			Fax	
I hereby declare that all statements made herein of my care believed to be true; and further that these statemer made are punishable by fine or imprisonment, or both, uvalidity of the application or any patent issued thereon.	nts were made with	n the kno	owledge that willful false	statements and the like so	
NAME OF SOLE OR FIRST INVENTOR :	A petition h	as bee	n filed for this unsigr	ned inventor	
Given Name B. Raghava (first and middle [if any])	Given Name Family Name				
Inventor's B. Ralhara Berry Date 4/29/02					
Duncan Besideness City	OK State		U.S.	India Citizenship	
Residence: City   State   Country   Citizenship  2013 Waverly Drive  Mailing Address					
Duncan city	OK State		73533 zip	U.S. Country	
NAME OF SECOND INVENTOR:	A petition ha	s been	filed for this unsigne	d inventor	
Given Name Larry S.  (first and middle [if any])  Eoff Family Name or Surname					
Inventor's Signature S. Signature Date 4/29/02					
Duncan Residence: City	OK State		U.S. Country	U.S. Citizenship	
Mailing Address 2201 Cedar					
Duncan	OK State		73533 zip	U.S. Country	
Additional inventors are being named on thesupplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.					

PTO/SB/02A (10-00)
Approved for use through 10/31/2002. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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### **DECLARATION**

# ADDITIONAL INVENTOR(S) Supplemental Sheet Page 1 of 2

Name of Additional Joint Inventor, if ar	ıy:			A petition has been t	filed for t	his unsigned inventor
Donald L.		Whitfill Family Name				
Name				r Surname		
Inventor's Signature Donald J. Whitfill	1					Jane 10, 2002 Date
Kingwood Residence: City	T> Sta			J.S. Country	1	U.S. Citizenship
2921 Sycamore Springs Dr #1\$\vec{p}\$5 \text{Mailing Address}						
Mailing Address						
<sub>city</sub> Kingwood	TX Sta	te		7379 ZIP	U.S. Counti	у
Name of Additional Joint Inventor, if an	y:			A petition has been file	ed for thi	s unsigned inventor
J. Michael Given Name				Wilsor Family Name or Surname	۱	:
Inventor's J. Michael Wels	<i>0</i> 7	· ·				Date Apr. 728,2002
Duncan Residence: City	Oł Sta	<		J.S. Country		U.S. Citizenship
4413 Odom Drive Mailing Address						
Mailing Address						
Duncan city	Oł Sta			'3533 ZIP	U.S. Countr	у
Name of Additional Joint Inventor, if an	y:			A petition has been file	d for this	unsigned inventor
Denise Given Name				Berryhill Name		
Inventor's Denvie Bolell					٠	Date 4/29/2002
Duncan Residence: City	OK Stat			U.S. Country		U.S. Citizenship
P. O. Box 2104 Mailing Address						
Mailing Address		•				
City Duncan	OK Stat	e		73533 ZIP	U.S Co	S. untry

Burden Hour Statement: This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

PTO/SB/02A (10-00)

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### **DECLARATION**

**ADDITIONAL INVENTOR(S)** Supplemental Sheet Page 2 of 2

Name of Additional Joint Inventor, if ar	ıy:	A petition has been	filed for th	his unsigned inventor	
Russel M.		Fitzge	erald		
Given Name		or Surname			
Inventor's Signature Pussell M. Laty	wal			Date April 2902	
Waurika 00 Residence: City	OK State	U.S. Country		U.S. Citizenship	
605 N. Pine Mailing Address					
Mailing Address					
<sub>City</sub> Waurika	OK State	73573 ZIP	U.S. Countr	У	
Name of Additional Joint Inventor, if an	y:	A petition has been to	iled for this	s unsigned inventor	
Thomas E. <sub>Siven</sub> Name		Family Name or Surname	er		
Inventor's Thomas & Bechen				Date April 26,2002	
Duncan Residence: City	OK State	U.S. Country		U.S. Citizenship	
421 S. 27th, Apt. J-6 Mailing Address					
Mailing Address					
Duncan city	OK State	73533 ZIP	U.S. Country	v	
Name of Additional Joint Inventor, if an		A petition has been fil			
Jimmie D. Given Name		Weave Family Name or Surname	r		
Inventor's Signature	vean	or _		Date 6/3/02	
Duncan Residence: City	OK State	U.S. Country		U.S. Citizenship	
Route 4, Box 230 B-1 Mailing Address					
Mailing Address		······································			
<sub>City</sub> Duncan	OK State	73533 ZIP	U.S	S. untrv	

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PTO/SB/81 (09-03)

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	rmation unless it displays a valid OMB control number.
Application Number	
Filing Date	
First Named Inventor	B. Raghava Reddy
Title	Methods of Consolidating
Art Unit	
Examiner Name	
Attorney Docket Number	HES 2000-IP-001143U1D2

I haraby annaint				
I hereby appoint:				
Practitioners associated with the Customer Number:				
OR				
Practitioner(s) named below:				
Name	Registration Number			
see attached				
as my/our attorney(s) or agent(s) to prosecute the application identified Trademark Office connected therewith.	above, and to transact all business in the United States Patent and			
Please recognize or change the correspondence address for the above	e-identified application to:			
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OR				
The address associated with Customer Number:				
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Firm or Individual Name				
Address				
Address				
City	State Zip			
Telephone	Fax			
I <u>am</u> the:				
Applicant/Inventor.				
Assignee of record of the entire interest. See 37 CFR 3.71. Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)				
	nt or Assignee of Record			
Name Craig W. Roddy				
Signature Clair W. Kuddy				
Date / //-/9-2003	Telephone 580-251-3012			
NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.				
*Total of forms are submitted.				

This collection of information is required by 37 CFR 1.31 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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### **DECLARATION**

# REGISTERED PRACTITIONER INFORMATION (Supplemental Sheet)

•	(Ouppromotium)	
Registration Number	Name	Registration Number
•	 McAfee & Taft Practitioners	
29,438	C. Clark Dougherty, Jr.	24,208
35,904	Clifford C. Dougherty, III	31,607
28,626	Jean L. Pinkston	45,014
36,256	William D. Hall	35,535
35,415	Barbara Yuill	54,562
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	29,438 35,904 28,626 36,256	Registration Number  McAfee & Taft Practitioners  29,438  C. Clark Dougherty, Jr.  35,904  Clifford C. Dougherty, III  28,626  Jean L. Pinkston  36,256  William D. Hall

Visitis Play Militation: The fath is california to the 6.4 hours to complete. Throwill vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form about to earl to the Chief Information Officer, Patent and Trademan's CCIse, Westingston, DC 20221. DO NOT SEND FEES OR COMPLETED POPMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Westingston, DC 20221.

Declaration - Registered Practitioner Information (Supplemental Sheet) (PTO/SB/02C)[1-1.4]

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STATEMENT UNDER 37 CFR 3.73(b)	
Applicant/Patent Owner: B. Raghava Reddy et al.	_
Application No./Patent No.: <u>unknown</u> Filed/Issue Date: <u>concurrently herewith</u>	_
ntitled: Methods of Consolidating Formations or Forming Chemical Casing or	_
Halliburton Energy Services, Inc., a <u>corporation</u> Name of Assignee)	_ c.)
tates that it is: . 図 the assignee of the entire right, title, and interest; or	
an assignee of less than the entire right, title and interest.  The extent (by percentage) of its ownership interest is%  the patent application/patent identified above by virtue of either:	
a. [┧ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel <u>013018</u> , Frame <u>0271</u> , or for which a copy thereof ttached.	is
DR .	
s. [ ] A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:	n
1. From: To:	
The document was recorded in the United States Patent and Trademark Office at	-
Reel, Frame, or for which a copy thereof is attached.	
2. From: To:	
The document was recorded in the United States Patent and Trademark Office at	_
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From:To:To:To:To document was recorded in the United States Patent and Trademark Office atTo:To:	_
The document was recorded in the United States Patent and Trademark Office at	
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[ ] Additional documents in the chain of title are listed on a supplemental sheet.	
[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]	
he undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.  //-/9-2003  Craig W. Roddy	
580-251-3012	
Telephone number Signature	
Senior_Counsel Title	

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



AUGUST 26, 2002

HALLIBURTON ENERGY SERVICES CRAIG W. RODDY 2600 SOUTH SECOND STREET DUNCAN OK 73536-0440 Under Secretary of Commerce For Intellectual Property and
Property of the United States Patent and Trademark Office
Washington, DC 20231
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SEP 0 3 2002



CRAIG W. RODDY

Civil

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RECORDATION DATE: 06/13/2002

REEL/FRAME: 013018/0271

NUMBER OF PAGES: 11

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

**ASSIGNOR:** 

REDDY, B. RAGHAVA DOC DATE: 04/29/2002

**ASSIGNOR:** 

EOFF, LARRY S. DOC DATE: 04/29/2002

ASSIGNOR:

WHITFILL, DONALD L. DOC DATE: 06/10/2002

ASSIGNOR:

WILSON, J. MICHAEL DOC DATE: 04/29/2002

**ASSIGNOR:** 

BERRYHILL, DENISE DOC DATE: 04/29/2002

**ASSIGNOR:** 

FITZGERALD, RUSSELL M. DOC DATE: 04/29/2002

ASSIGNOR:

BECKER, THOMAS E. DOC DATE: 04/26/2002

013018/0271 PAGE 2

ASSIGNOR:

WEAVER, JIMMIE D.

DOC DATE: 06/03/2002

ASSIGNEE:

HALLIBURTON ENERGY SERVICES, INC 10200 BELLAIRE BOULEVARD

HOUSTON, TEXAS 77072

SERIAL NUMBER: 10170400

PATENT NUMBER:

FILING DATE: 06/13/2002

ISSUE DATE:

SHAREILL COLES, EXAMINER ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS

# 06-27-2002

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Tab settings ⇒ ⇒ ▼ ▼ ▼	9518 <b>/ V</b>
To the Honorable Commissioner of Patents and Trademarks:	Please record the attached original documents or copy thereof.
1. Name of conveying party(ies): 6-13-02	2. Name and address of receiving party(ies)
B. Raghava Reddy; Larry S. Eoff; Donald L. Whitfill	Name: Halliburton Energy Services, Inc.
J. Michael Wilson; Denise Berryhill;	Internal Address:
Russell M. Fitzgerald; Thomas E. Becker;	Internal Address:
Jimmie D. Weaver Additional name(s) of conveying party(ies) attached? Yes V No	
	40
3. Nature of conveyance:	
Assignment Merger	Street Address: 10200 Bellaire Boulevard
Security Agreement Change of Name	
Other	
04/26/02 (Becker)	City: Houston State: TX Zip: 77072
04/29/02 (Reddy; Eoff; Wilson; Berryhill; Fitzgerald)	Onyouton
Execution Date: 06/03/02 (Weaver)	Additional name(s) & address(es) attached? Yes V
4. Application number(s) or patent number(s):	70400
If this document is being filed together with a new appli	cation, the execution date of the application is: 05/16/02
A. Patent Application No.(s)	B. Patent No.(s)
. , , , , , , , , , , , , , , , , , , ,	
Additional numbers at	ached? Yes No
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:
Name: Craig W. Roddy	7. Total fee (37 CFR 3.41)\$\\\\40.00
Halliburton Energy Services	Enclosed
	Authorized to be charged to deposit account
	8. Deposit account number:
Street Address: 2600 South Second Street	o. Deposit account number.
Street Address:	08-0300
·	
City: Duncan State: OK Zip: 73536-0440	
DO NOT USE	THIS SPACE
9. Signature.	
	$\mathcal{I}$
/	Cary W. Roddy 6-12-2002 Date
Craig W. Roddy	Cary W. 120ddy 6-12-2002
Manie of Croon eighning	Signature Date r sheet, attachments, and documents:

Mail documents to be recorded with required cover sheet information to:

#### **ASSIGNMENT**

Whereas, I/We, B. Raghava Reddy, of Stephens County, Duncan, Oklahoma; Larry S. Eoff, of Stephens County, Duncan, Oklahoma; Donald L. Whitfill, of Harris County, Kingwood, Texas; J. Michael Wilson, of Stephens County, Duncan, Oklahoma; Denise Berryhill, of Stephens County, Duncan, Oklahoma; Russell M. Fitzgerald, of Jefferson County, Waurika, Oklahoma; Thomas E. Becker, of Stephens County, Duncan, Oklahoma and Jimmie D. Weaver, of Stephens County, Duncan, Oklahoma, have invented METHODS OF CONSOLIDATING FORMATIONS OR FORMING CHEMICAL CASING OR BOTH WHILE DRILLING for which I have made application for Letters Patent of the United States; and

Whereas, HALLIBURTON ENERGY SERVICES, INC., a Delaware Corporation, having a place of business at 10200 Bellaire Boulevard, Houston, Texas 77072 is desirous of acquiring an interest therein;

NOW, THEREFORE, in consideration of the sum of ten dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/We, by these presents do sell, assign and transfer and convey unto HALLIBURTON ENERGY SERVICES, INC., its successors and assigns, the full and exclusive right, for the United States of America and its territorial possessions and for any and all foreign countries, in and to the said invention, described in the Patent Application first executed on April 26, 2002 \_\_\_\_\_\_, submitted concurrently herewith, and any divisional, continuing or reissue application based on the present application preparatory to obtaining Letters Patent of the United States therefor; said invention, application and any and all Letters Patent issuing therefor to be held and enjoyed by HALLIBURTON ENERGY SERVICES, INC., for its own use and behoof, and for its legal representatives, successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me and had this assignment and sale not been made.

And I do further agree to sign all papers, make all rightful oaths and do all requisite acts for the filing of any disclaimer or for the filing and assignment of any divisional, continuing or reissue application or applications for patent based on the present application, as well as for any other U.S. or foreign application for patent which relates to the said invention.

And I do further agree to communicate to HALLIBURTON ENERGY SERVICES, INC., its successors, assign or other legal representatives, such facts relating to the invention disclosed in the present application or Letters Patent issuing thereon as may be known to me, and to testify as to such facts in any interference or other litigation.

Executed this 29th	_day ofApril	, 2002, at Duncan, Stephens County,	Oklahoma
U.S.A.		B. Raghava Reddy	
State of Oklahoma County of Stephens	) ) ss )		
		Raghava Reddy and acknowledged the 29th day of April , 2002	•
Seal		Sheila Liblis (Notary Public)	· · · · · · · · · · · · · · · · · · ·
My Commission Expire Commission Number: 0		<b>)4</b>	
Executed this 29th	_day of _ April	, 2002, at Duncan, Stephens County,	Oklahoma
U.S.A.		Larry S. Eoff	· · · · · · · · · · · · · · · · · · ·
State of Oklahoma  County of Stephens	) ) ss )		
_		Eoff and acknowledged the foregoing instoof <u>April</u> , 2002.	rument to
Seal		Sheila Libbs (Notary Public)	

	Houston, Harris County, Texas
Executed this O day of	Houston, HarrisCourty, Texas _, 2002, at <del>Duncan</del> , Stephens County, Oklahoma
U.S.A.	•
	Wondl L. Whitfell
,	Donald L. Wlfftfill
Chata of Toyon	
State of Texas ) ss	
County of Harris )	
	d. Whitfill and acknowledged the foregoing
instrument to be his free act and deed this	day of <u>June</u> , 2002.
gummummm	
DEANN BILES NOTARY PUBLIC, STATE OF TEXAS	Sean Biles
MY COMMISSION EXPIRES FEB. 28, 2004	(Notary Public)
Sammannamas	
Executed this 29th day of April	_, 2002, at Duncan, Stephens County, Oklahoma
U.S.A.	<
	J. Michael Wilson
	J. Michael Wilson
State of Oklahoma ) ss	
County of Stephens )	
Before me personally appeared said J. Mic	hael Wilson and acknowledged the foregoing
instrument to be his free act and deed this 29t	h day of <u>April</u> , 2002.
	Aba a -sel la -
Seal	(Notary Public)

Executed this 29th day of April , 200	2, at Duncan, Stephens County, Oklahoma
U.S.A.	Denne Booyell  Denise Berryhill
State of Oklahoma ) ) ss County of Stephens )	
Before me personally appeared said Denise Berryhill a to be his free act and deed this 29th day of Apri	
Seai	Sheila Leblo (Notary Public)
My Commission Expires: September 13, 2004 Commission Number: 00014119	
Executed this 29th day of April , 2002	, at Duncan, Stephens County, Oklahoma
U.S.A.	USSELL M Flitzgerald
State of Oklahoma ) ) ss County of Stephens )	
Before me personally appeared said Russell M. Fits instrument to be his free act and deed this 29th	•
Seal	Sheela Sebles (Notary Public)

Executed this 26th	_day of _ April	, 2002, at Duncan, Stephens County, Oklahoma		
U.S.A.				
		Thoras E. Bechen		
,		Thomas E. Becker		
State of Oklahoma	) ) ss	•		
County of Stephens	)			
Before me personally	appeared said Thomas	E. Becker and acknowledged the foregoing		
instrument to be his free	e act and deed this 26tl	day of <u>April</u> , 2002.		
		Alasia Mina		
Seal	:	(Notary Public)		
My Commission Expires: September 13, 2004 Commission Number: 00014119				
Executed this 3rd	day of <u>June</u>	, 2002, at Duncan, Stephens County, Oklahoma		
U.S.A.	(	James New		
		Jimmie D. Weaver		
State of Oklahoma	)			
	) ss			
County of Stephens	)			
Before me personally appeared said Jimmie D. Weaver and acknowledged the foregoing				
instrument to be his free	act and deed this 3rd	day of <u>June</u> , 2002.		
1)0				
Saul		Sheila Diblio (Notary Public)		
Scal	<del>.</del>	(Notary Public)		



AUGUST 26, 2002

HALLIBURTON ENERGY SERVICES CRAIG W. RODDY 2600 SOUTH SECOND STREET DUNCAN OK 73536-0440 Under Secretary of Commerce For Intellectual Property and
Pirector of the United States Patent and Trademark Office
Washington, DC 20231
www.uspto.gov

SEP 0 3 2002



CRAIG W. RODDY

CRAIG W. LODD

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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY. SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 06/13/2002

REEL/FRAME: 013018/0271

NUMBER OF PAGES: 11

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

REDDY, B. RAGHAVA DOC DATE: 04/29/2002

ASSIGNOR:

EOFF, LARRY S. DOC DATE: 04/29/2002

ASSIGNOR:

WHITFILL, DONALD L. DOC DATE: 06/10/2002

ASSIGNOR:

WILSON, J. MICHAEL DOC DATE: 04/29/2002

ASSIGNOR:

BERRYHILL, DENISE DOC DATE: 04/29/2002

ASSIGNOR:

FITZGERALD, RUSSELL M. DOC DATE: 04/29/2002

ASSIGNOR:

BECKER, THOMAS E. DOC DATE: 04/26/2002

013018/0271 PAGE 2

ASSIGNOR:

WEAVER, JIMMIE D.

DOC DATE: 06/03/2002

ASSIGNEE:

HALLIBURTON ENERGY SERVICES, INC 10200 BELLAIRE BOULEVARD

HOUSTON, TEXAS 77072

SERIAL NUMBER: 10170400

PATENT NUMBER:

FILING DATE: 06/13/2002

ISSUE DATE:

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# 06-27-2002

Form PTO-1595 R! (Rev. 03/01)	U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office		
	35518 <b>,</b> •		
Tab settings	70010 Y Y		
To the Honorable Commissioner of Patents and Trademarks	Please record the attached original documents or copy thereof.		
1. Name of conveying party(ies): 6-13-02	2. Name and address of receiving party(ies)		
B. Raghava Reddy; Larry S. Eoff; Donald L. Whitfill	Name: Halliburton Energy Services, Inc.		
J. Michael Wilson; Denise Berryhill;	Internal Address:		
Russell M. Fitzgerald; Thomas E. Becker;	memai Address.		
Jimmie D. Weaver Additional name(s) of conveying party(ies) attached? Yes  No	27		
3. Nature of conveyance:	104 104		
Assignment Merger	Street Address: 10200 Bellaire Boulevard		
Security Agreement Change of Name	Street Address: 10200 Bellano Boulovalo		
Other			
04/26/02 (Becker)	City: Houston State: TX Zip: 77072		
04/29/02 (Reddy; Eoff; Wilson; Berryhill; Fitzgerald) Execution Date: 06/03/02 (Weaver) 06/10/02 (Whitfill)	<u></u>		
	Additional name(s) & address(es) attached? Yes No		
4. Application number(s) or patent number(s):  If this document is being filed together with a new appl	ication, the execution date of the application is: 05/16/02		
A. Patent Application No.(s)	B. Patent No.(s)		
,	( /		
Additional numbers attached? Yes V No			
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:		
Name: Craig W. Roddy	7. Total fee (37 CFR 3.41)\$40.00		
Halliburton Energy Services Internal Address:	Enclosed		
	Authorized to be charged to deposit account		
	8. Deposit account number:		
Street Address: 2600 South Second Street	00.0200		
	08-0300		
City: Duncan State: OK Zip: 73536-0440			
DO NOT USE THIS SPACE			
9. Signature.			
	$1 \cdot \bigcirc .$		
Craig W. Roddy	carg W. Koddy 6-12-2002		
Name of Person Signing	Signature Date		
Total number of pages including cover	er sheet, attachments, and documents:		
Mail documents to be recorded with			

10170400

#### ASSIGNMENT

Whereas, I/We, B. Raghava Reddy, of Stephens County, Duncan, Oklahoma; Larry S. Eoff, of Stephens County, Duncan, Oklahoma; Donald L. Whitfill, of Harris County, Kingwood, Texas; J. Michael Wilson, of Stephens County, Duncan, Oklahoma; Denise Berryhill, of Stephens County, Duncan, Oklahoma; Russell M. Fitzgerald, of Jefferson County, Waurika, Oklahoma; Thomas E. Becker, of Stephens County, Duncan, Oklahoma and Jimmie D. Weaver, of Stephens County, Duncan, Oklahoma, have invented METHODS OF CONSOLIDATING FORMATIONS OR FORMING CHEMICAL CASING OR BOTH WHILE DRILLING for which I have made application for Letters Patent of the United States; and

Whereas, HALLIBURTON ENERGY SERVICES, INC., a Delaware Corporation, having a place of business at 10200 Bellaire Boulevard, Houston, Texas 77072 is desirous of acquiring an interest therein;

NOW, THEREFORE, in consideration of the sum of ten dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/We, by these presents do sell, assign and transfer and convey unto HALLIBURTON ENERGY SERVICES, INC., its successors and assigns, the full and exclusive right, for the United States of America and its territorial possessions and for any and all foreign countries, in and to the said invention, described in the Patent Application first executed on April 26, 2002 submitted concurrently herewith, and any divisional, continuing or reissue application based on the present application preparatory to obtaining Letters Patent of the United States therefor; said invention, application and any and all Letters Patent issuing therefor to be held and enjoyed by HALLIBURTON ENERGY SERVICES, INC., for its own use and behoof, and for its legal representatives, successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me and had this assignment and sale not been made.

And I do further agree to sign all papers, make all rightful oaths and do all requisite acts for the filing of any disclaimer or for the filing and assignment of any divisional, continuing or reissue application or applications for patent based on the present application, as well as for any other U.S. or foreign application for patent which relates to the said invention.

And I do further agree to communicate to HALLIBURTON ENERGY SERVICES, INC., its successors, assign or other legal representatives, such facts relating to the invention disclosed in the present application or Letters Patent issuing thereon as may be known to me, and to testify as to such facts in any interference or other litigation.

Executed this 29th	_day of _ April	, 2002, at Duncan, Stephens Count	y, Oklahoma
U.S.A.		B. Raghava Reddy	28
State of Oklahoma County of Stephens	) ) ss )		
		Raghava Reddy and acknowledged th	
Seal		Sheila Liblis (Notary Public)	
My Commission Expir Commission Number:		)4	i.
Executed this 29th	_day of _April	, 2002, at Duncan, Stephens County	, Oklahoma
U.S.A.		Larry S. Eoff	
State of Oklahoma  County of Stephens	) ) ss )		·
Before me personally a	appeared said Larry S.	Eoff and acknowledged the foregoing in	nstrument to
		of <u>April</u> , 2002.	
			-
Seal		Sherla Leblis	<del></del>
		(Notary Public)	

Executed this	Houston, HarrisCounty, Texas , 2002, at <del>Duncan</del> , Stephens County, Oklahoma
U.S.A.	Wonald L. Whitfill
State of Texas ) ) ss County of Harris )	
Before me personally appeared said Dor instrument to be his free act and deed this	day of <u>func</u> , 2002.
DEANN BILES NOTARY PUBLIC, STATE OF TEXAS MY COMMISSION EXPIRES FEB. 28, 2004	Seau Biles (Notary Public)
Executed this 29th day of April	, 2002, at Duncan, Stephens County, Oklahoma
U.S.A.	J. Michael Wilson
State of Oklahoma ) ) ss County of Stephens )	*
Before me personally appeared said J. It instrument to be his free act and deed this 2	Michael Wilson and acknowledged the foregoing 9th day of April , 2002.
Seal	Sheela Villo (Notary Public)

Executed this29th_day	of April	_, 2002, at Dunc	can, Stephens Count	ty, Oklahoma
U.S.A.		Denis	Boxyll Denise Berryhill	
State of Oklahoma ) ss County of Stephens )	:			
Before me personally appear to be his free act and deed th				ng instrument
Seal		She	ela Leblo (Notary Public)	
My Commission Expires: Se Commission Number: 00014				ŧ"
Executed this 29th day	of April	, 2002, at Dunc	an, Stephens Count	y, Oklahoma
U.S.A.		Russe	LM Fitzgeral	Jul
State of Oklahoma ) ) ss County of Stephens )			J	O
Before me personally appearant to be his free act a		•		
Seal		Sheila	_ Yellis (Notary Public)	

•	Executed this 26th	_day of _April	, 2002, at Duncan, Stephens County, Oklahoma
	U.S.A.		
	· .		Thong E. Bechen
			Thomas E. Becker
	State of Oklahoma	) ss	
	County of Stephens	j	
	Before me personally	appeared said Thomas	E. Becker and acknowledged the foregoing
	instrument to be his free	e act and deed this 26th	day of April , 2002.
	Seal		Speila Liblio
	GGAI	, <del>.</del>	(Notary Public)
	My Commission Expire Commission Number: 0		
	Executed this 3rd	_day of <u>June</u> ,	2002, at Duncan, Stephens County, Oklahoma
	U.S.A.	(	James New
			Jimmie D. Weaver
	State of Oklahoma	)	
		) ss	
	County of Stephens	)	
	Before me personally	appeared said Jimmie	D. Weaver and acknowledged the foregoing
	instrument to be his free	act and deed this 3rd	day of <u>June</u> , 2002.
			•
	Seal		Sheila Diblis (Notary Public)
	***		(Notary Public)